

Product datasheet

Anti-PAK2 (phospho S20) antibody [EPR658(2)] ab76419

リコンビナント RabMAb[®]

画像数 1

製品の概要

製品名	Anti-PAK2 (phospho S20) antibody [EPR658(2)]
製品の詳細	Rabbit monoclonal [EPR658(2)] to PAK2 (phospho S20)
由来種	Rabbit
アプリケーション	適用あり: WB, ICC/IF 適用なし: Flow Cyt, IHC-P or IP
種交差性	交差種: Human
免疫原	Synthetic phosphopeptide corresponding to residues surrounding Serine 20 of human PAK2
ポジティブ・コントロール	HeLa cell lysate treated with calyculin A
特記事項	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#)

This product is a recombinant rabbit monoclonal antibody.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EPR658(2)
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab76419** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/10000 - 1/20000. Detects a band of approximately 58 kDa (predicted molecular weight: 58 kDa).
ICC/IF		1/100 - 1/250.

追加情報 Is unsuitable for Flow Cyt, IHC-P or IP.

ターゲット情報

機能 The activated kinase acts on a variety of targets. Phosphorylates ribosomal protein S6, histone H4 and myelin basic protein. Full length PAK 2 stimulates cell survival and cell growth. The process is, at least in part, mediated by phosphorylation and inhibition of pro-apoptotic BAD. Caspase-activated PAK-2p34 is involved in cell death response, probably involving the JNK signaling pathway. Cleaved PAK-2p34 seems to have a higher activity than the CDC42-activated form.

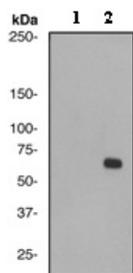
組織特異性 Ubiquitously expressed. Higher levels seen in skeletal muscle, ovary, thymus and spleen.

配列類似性 Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 CRIB domain.
Contains 1 protein kinase domain.

翻訳後修飾 Full length PAK 2 is autophosphorylated when activated by CDC42/p21. Following cleavage, both peptides, PAK-2p27 and PAK-2p34, become highly autophosphorylated, with PAK-2p27 being phosphorylated on serine and PAK-2p34 on threonine residues, respectively. Autophosphorylation of PAK-2p27 can occur in the absence of any effectors and is dependent on phosphorylation of Thr-402, because PAK-2p27 is acting as an exogenous substrate. During apoptosis proteolytically cleaved by caspase-3 or caspase-3-like proteases to yield active PAK-2p34.
Ubiquitinated, leading to its proteasomal degradation.
PAK-2p34 is myristoylated.

細胞内局在 Cytoplasm and Nucleus. Cytoplasm > perinuclear region. Membrane. Interaction with ARHGAP10 probably changes PAK-2p34 location to cytoplasmic perinuclear region. Myristoylation changes PAK-2p34 location to the membrane.

画像



Western blot - Anti-PAK2 (phospho S20) antibody [EPR658(2)] (ab76419)

All lanes : Anti-PAK2 (phospho S20) antibody [EPR658(2)] (ab76419) at 1/20000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : HeLa cell lysate treated with calyculin A

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/1000 dilution

Predicted band size: 58 kDa

Observed band size: 58 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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